DIR Contract Number: DIR-DCS-SCP-MSA-002

Appendix 17 to Eleventh Amendment of Master Service Agreement



Attachment to Data Center Services Service Component Provider Master Services Agreement

DIR Contract No. DIR-DCS-SCP-MSA-002

Between

The State of Texas, acting by and through the Texas Department of Information Resources

and

Atos Governmental IT Outsourcing Services, LLC

Attachment 4-E Service Tier Matrix

May 31, 2016

The Service Tier Matrix defines the services associated with each tier of service and the entry requirements for each feer of service. It is not intended to modify, supersede or amend any other obligations described no there contract documents, including without limitation Service Provider douglations related to Service Evorider Contract Described Provider Service Provider Contract Described Provider Service Service Contract Described Provider Service Service Contract Described Provider Service Se

Consolidated Data Center (ADC/SDC) Tiered Offering

Tiered Offering						
Notes:		:		aa ii aa DU ata sab saa fa		us denits. Carros lantenas in the DU account
An Instance classified within a tier will receive the sup	sed to categorize di port services as del	esignated server cate fined by that tier. Th	egory types into a thr e level of support for	ee tier RU structure to these Instances is de	or support services. For scribed here within the	or clarity, Server Instance is the RU measure, not servers. I matrix, including the entry requirements, monitoring, storage requirements to enable disaster recovery objectives, and
		d hardware charges.	There are no increm	ental charges to imple	ement and support hig	h availability (HA) software and any other architectural requirements necessary to provide HA.
Consolidated File/Print RU must meet the Gold tier of S = Standard: service provided within tier	fering metrics.					
O = Optional: can be added at additional cost as desc X = Required element for entry to tier	ribed in Attachmer	nt 4-A				
- = Not Available		Eully	Managed		1	
Official	Not an RU	Gold	Silver	December 1	Comi Managad	Definitions and Makes
Offerings: Service Levels Availability	Platinum			Bronze	Semi-Managed 99.50%/99.30%	Definitions and Notes
Incident Resolution Time - Severity 1 Incident Resolution Time - Severity 2	99.95%/99.90% 1h 2h	99.92%/99.82% 2h 3h	99.88%/99.77% 4h 6h	99.80%/99.69% 6h 16h	99.50%/99.50% 9bh 27bh	
Root Cause Analysis Delivery Initiate Successful Recoveries	10bd 6h	10bd 24h	10bd 24h	10bd 24h	10bd 24h	
Monitoring	- Gil	2-70	2411	2411	2411	
Network Monitoring	S	S	S	S	-	Server IP ping with alerts Server (Up/Down, Hardware specific errors, component monitoring, CPU, Disk Memory, Components of a server)
Hardware Operating Level (OS)	S S	S S	S S	S S	-	Server Capacity Threshold Monitoring (CPU, Memory, filesystem and OS disk).
Database	S	S	S	Ö	-	DB up/down, DB free space, DB status, etc. Any process required to support the Application. Process Up/Down, URL website availability, application file system
Application Software	S	S	0	0	-	capacity and availability. Process Up/Down, application file system capacity and availability where the standard tools are capable of such
Middleware Processes	S	S	S	0	-	monitoring. Reports on key server resources, such as CPU, Memory, and Disk.
Capacity Utilization Reporting	S	S			-	*Available in Silver/Bronze on an interim basis to support Incident Resolution. Capacity management service that reports historical trends of key server resources. The service will also include
Capacity Management	s	s		•	-	monthly analysis by a Capacity Planner and requires business application owner participation. *Available in Silver/Bronze on an interim basis to support Incident Resolution.
Disk Storage						
						For Tier 1, mirroring means an async copy of any disk volume (LUN) stored on an ADC or SDC SAN device replicated for storage at the secondary data center (includes OS volumes as well as data disk).
Replicated data across sites	S	0.	0,	-	0	*Required with Class P or Class 1; optional otherwise. Initial point in time copy is provided by default, any additional PIT copies are at DIR request and follow standard
Point in time copies	S	S	-	-	0	policies for DIR request of disk storage.
High Availability Infrastructure Services Must pick one of the following or an appropriate comb	ination:					
Instance Mobility (where supported by the technology	s				-	*May be available in Gold/Silver/Bronze depending on the hardware platform chosen. Customer may have to purchase additional software.
Hardware Cluster	S				-	*May be available in Gold/Silver/Bronze depending on the hardware platform chosen. Customer may have to purchase additional software.
Hardware HA (warm site)	S				-	*May be available in Gold/Silver/Bronze depending on the hardware platform chosen. Customer may have to purchase additional software. *May be available in Gold/Silver/Bronze depending on the hardware platform chosen. Customer may have to
Database Clustering	s				-	purchase additional software.
Database Failover	s				-	*May be available in Gold/Silver/Bronze depending on the hardware platform chosen. Customer may have to purchase additional software.
Recovery Point Objective [Disaster Recovery]						Recovery Point Objective - the allowed amount of data lost.
				-		Requires data to be on SAN storage, with space available to async replication to secondary site. Requires data to be on SAN storage, with space available to async replication to secondary site. *Optional for Silver if Tier 1 storage is used.
6h	-	s	0.	-	-	DR Class 1 DR server(s) can have a Gold or Silver Service Tier
						Tape based recovery based on offsite tape shipping frequency. Class 2A, Class 2B, and Class 8 server(s) can have either a Gold or Silver Service Tier.
48h	-	S	S	S	-	DR Class 3, Class 4, Class 5, Class 6, and Class 7 server(s) can have Gold, Silver or Bronze Service Tier.
Security (3) Host Intrusion Detection (HIDS)	S	S		-	-	
Platform Support						Tickets entered outside of service window will be addressed next contracted support period.
24 x 7 15 x 7 6AM - 9PM	S -	S -	- S	-	-	
12 x 5 M-F 6AM - 6PM 12 x 5 M-F 8AM - 5PM	-	- :		S .	s S	
Entry Requirements for Service Tiers.						
[Supportability for Disaster Recovery levels.] Class P must have a fully documented disaster						
recovery plan including who can declare, escalation process, and work breakdown structure for recovery.	x	-		-	-	
An annual disaster recovery full exercise will be performed. Class 1 and Class 2A must have a fully documented						
disaster recovery plan including who can declare, escalation process, and work breakdown structure						
for recovery. An annual disaster recovery exercise (full recovery or table top) will be performed.	-	x	х	-	-	
Class 2B must have a fully documented disaster						
recovery plan including who can declare, escalation process, and work breakdown structure for recovery.		x	x			
An annual table top exercise will be performed.	-	^	^	-	-	
Class 3 must have a fully documented disaster						
recovery plan including who can declare, escalation process, and work breakdown structure for recovery.	-	х	х	х	-	
An annual enterprise table top exercise will be performed.						
Class 4 should have a documented disaster recovery plan. Disaster Recovery Exercises are not	-	x	х	x		
offered for Class 4. Class 5 must have a fully documented disaster						
recovery plan including who can declare, escalation process, and work breakdown structure for recovery.		x	x	x		
An annual disaster recovery exercise (full recovery or table top) will be performed.		1	_ ^			
Class 6 and Class 7 must have a fully documented						
disaster recovery plan including who can declare, escalation process, and work breakdown structure	-	х	х	х		
for recovery. An annual tabletop exercise will be performed.						
Class 8 (existing SunGard contracts) should have a documented disaster recovery plan, including who						
can declare, escalation process, and work breakdown structure for recovery. An annual disaster	-	х	х	-	-	
recovery full exercise will be performed.						
DCS Customer will ensure the application is able to						
operate in a highly available (HA) manner and achieve failover within 1 hour. DCS Customer ensures connectivity to CDC's with appropriate						
ensures connectivity to CDC's with appropriate capacity. SCP enables infrastructure failure heartbeat detection and failover initiation, and	x	-				
heartbeat detection and failurer initiation, and supplies and configures HA DNS, Load-balancing, Firewall, etc. components to support automatic						
failover. SCP also provides CDC to CDC network						
connectivity for the replication purposes. Production Application must have dev/test and pre- prod. There must be equivalent capacity and						
prod. I here must be equivalent capacity and capability in an alternate data center to support DR.	х	•	•			
Production Application must have dev/test OS	x	x	x			
instances separate from production OS instances Online backup required (e.g. database bot-backup)	^					
Online backup required (e.g. database hot-backup) to ensure concurrent backup without impact to availability	х	-	-	-	-	
Online backup or offline backups can be completed within the scheduled backup window.	-	х	-	-	-	
Offline backups can be completed within the scheduled backup window.	-	-	х	х	-	
ou outmap minut.						

The Service Tier Matrix defines the services associated with each tier of service and the entry requirements for each tier of service. It is not intended to modify, supersede or amend any other obligations described in other contract documents, including without limitation Service Provider obligations related to Service Levels, Disaster Recovery, Security or storage.

Non-Consolidated Data Centers Tiered Offering

Notes:

As described in Exhibit 4, the Service Tier Matrix is used to categorize designated server category types into a three tier RU structure for support services. For clarity, Server Instance is the RU measure, not servers.

An Instance classified within a tier will receive the support services as defined by that tier. The level of support for these Instances is described here within the matrix, including the entry requirements, monitoring, storage requirements to enable disaster recovery objectives, and service levels.

- S = Standard: service provided within tier
- O = Optional: can be added at additional cost as described in Attachment 4-A
- = Not Available

		Fully Managed				
Offerings:	Gold	Silver	Bronze	Semi-Managed	Definitions and Notes	
Service Levels						
Availability	99.88%/99.77%	99.84%/99.73%	99.76%/99.64%	99.50%/99.30%		
Incident Resolution Time - Severity 1	3h	5h	8h	12bh		
Incident Resolution Time - Severity 2	4h	8h	24h	36bh		
Root Cause Analysis Delivery	10bd	10bd	10bd	10bd		
Initiate Successful Recoveries	24h	24h	24h	24h	Recovery initiated time based on once tape is on site	
Monitoring						
Network Monitoring	S	S	S	-	Server IP ping with alerts	
					Server (Up/Down, Hardware specific errors, component monitoring, CPU, Disk Memory, Components	
Hardware	S	S	S	-	of a server)	
Operating Level (OS)	S	S	S	-	Server Capacity Threshold Monitoring (CPU, Memory, filesystem and OS disk).	
Database	S	S	0	-	DB up/down, DB free space, DB status, etc.	
					Any process required to support the Application. Process Up/Down, URL website availability,	
Application Software	S	0	0	-	application file system capacity and availability.	
					Process Up/Down, application file system capacity and availability where the standard tools are capable	
Middleware Processes	S	S	0	-	of such monitoring.	
					Reports on key server resources, such as CPU, Memory, and Disk.	
Capacity Utilization Reporting	S	*	*	-	*Available in Silver/Bronze on an interim basis to support Incident Resolution.	
					Capacity management service that reports historical trends of key server resources. The service will	
					also include monthly analysis by a Capacity Planner and requires business application owner	
					participation.	
Capacity Management	S	*	*	-	*Available in Silver/Bronze on an interim basis to support Incident Resolution.	
High Availability Infrastructure Services						
Cluster/HA/Failover	-	-	-	-	Not available at Non-Consolidated Service Centers as standard services.	
Bassyamy Baint Objective					December Delet Oblestics the allowed amount of data last	
Recovery Point Objective					Recovery Point Objective - the allowed amount of data lost.	
48h	S	s	S *	_	Tape based recovery based on offsite tape shipping frequency. * Bronze Service Tier is for Class 2B. 3 and 4	
460	5	5	3 "	-	" Bronze Service Her is for Class 2B, 3 and 4	
Security						
Host Intrusion Detection (HIDS)	S	-	-	-		
, ,						
Platform Support					Tickets entered outside of service window will be addressed next contracted support period.	
24 x 7	S	-	-	-		
15 x 7 6AM - 9PM	-	S	-	-		
12 x 5 M-F 6AM - 6PM	-	-	S	-		
12 x 5 M-F 8AM - 5PM	-	-	-	S		
•	1	•	•	•	•	

The Service Tier Matrix defines the services associated with each tier of service and the entry requirements for each tier of service. It is not intended to modify, supersede or amend any other obligations described in other contract documents, including without limitation Service Provider obligations related to Service Levels, Disaster Recovery, Security or storage.

Cloud Data Centers Tiered Offering

Notes:

As described in Exhibit 4, the Service Tier Matrix is used to categorize designated server category types into a three tier RU structure for support services. For clarity, Server Instance is the RU measure, not servers.

An Instance classified within a tier will receive the support services as defined by that tier. The level of support for these Instances is described here within the matrix, including the entry requirements, monitoring, storage requirements to enable disaster recovery objectives, and service levels.

- S = Standard: service provided within tier
- O = Optional: can be added at additional cost as described in Attachment 4-A
- = Not Available

		Fully Managed		Ī	
Offerings:	Gold	Silver	Bronze	Semi-Managed	Definitions and Notes
Service Levels					
Availability	99.88%/99.77%	99.84%/99.73%	99.76%/99.64%	99.50%/99.30%	
Incident Resolution Time - Severity 1	3h	5h	8h	9bh	
Incident Resolution Time - Severity 2	4h	8h	24h	27bh	
Root Cause Analysis Delivery	10bd	10bd	10bd	10bd	
Initiate Successful Recoveries	24h	24h	24h	24h	Recovery initiated time based on once tape is on site
Manufacture.					
Monitoring		0	0		One and ID after width adores
Network Monitoring	S	S	S	-	Server IP ping with alerts
					Server (Up/Down, Hardware specific errors, component monitoring, CPU, Disk Memory, Components
Hardware (CO)	S	S	S	-	of a server)
Operating Level (OS)	S	S	S	-	Server Capacity Threshold Monitoring (CPU, Memory, filesystem and OS disk).
Database	S	Ü	Ü	-	DB up/down, DB free space, DB status, etc.
A					Any process required to support the Application. Process Up/Down, URL website availability,
Application Software	S	0	0	-	application file system capacity and availability.
					Process Up/Down, application file system capacity and availability where the standard tools are
Middleware Processes	S	S	0	-	capable of such monitoring.
		*	*		Reports on key server resources, such as CPU, Memory, and Disk.
Capacity Utilization Reporting	S	*	*	-	*Available in Silver/Bronze on an interim basis to support Incident Resolution.
					Capacity management service that reports historical trends of key server resources. The service will
					also include monthly analysis by a Capacity Planner and requires business application owner
		*	*		participation.
Capacity Management	S	*	*	-	*Available in Silver/Bronze on an interim basis to support Incident Resolution.
High Availability Infrastructure Services					
Cluster/HA/Failover	-	-	-	-	Not available at Non-Consolidated Service Centers as standard services.
Recovery Point Objective					Recovery Point Objective - the allowed amount of data lost.
					Tape based recovery based on offsite tape shipping frequency.
48h	s	S	S *	_	* Bronze Service Tier is for Class 2B, 3 and 4
		-	-		
Security					
Host Intrusion Detection (HIDS)	S	-	-	-	
·					
Platform Support					Tickets entered outside of service window will be addressed next contracted support period.
24 x 7	S	-	-	-	
15 x 7 6AM - 9PM	-	S	-	-	
12 x 5 M-F 6AM - 6PM	-	-	S	-	
12 x 5 M-F 8AM - 5PM	-	-	-	S	

The Service Tier Matrix defines the services associated with each tier of service and the entry requirements for each tier of service. It is not intended to modify, supersede or amend any other obligations described in other contract documents, including without limitation Service Provider obligations related to Service Levels, Disaster Recovery, Security or storage.

Storage Entry Requirements for Disaster Recovery in Consolidated Data Centers

Tier 1 - Storage Fast i/o optimized: Data is replicated to the alternate CDC site allowing for the fastest recovery

Tier 2 - Storage Medium i/o optimized: Data is NOT replicated; media or equivalent based recovery

Tier 3 - Storage Low i/o limited: Data is NOT replicated; media or equivalent based recovery

Tier 3R - Storage Low i/o limited: Data is replicated at an alternate site

Tier 4 - Low performance Storage - static or infrequently used data

		Service Tiers								
		Platinum	Gold	Silver	Bronze					
	Tier 1 ⁽¹⁾	CP ⁽⁵⁾	C1 ⁽⁷⁾	C1 ⁽⁷⁾	NA ⁽⁶⁾					
I≓	Tier 2 ⁽²⁾	NA ⁽⁶⁾	C2A, C2B ⁽⁸⁾ , C3 ⁽⁸⁾ , C4 ⁽⁸⁾ , C6 or C8 ⁽⁸⁾	C2A, C2B ⁽⁸⁾ , C3 ⁽⁸⁾ , C4 ⁽⁸⁾ , C6 or C8 ⁽⁸⁾	C3 ⁽⁸⁾ , C4 ⁽⁸⁾ or C6					
Storage	Tier 3 ⁽³⁾	NA ⁽⁶⁾	C6, C7	C6, C7	C6, C7					
Š	Tier 3R ⁽⁴⁾	NA ⁽⁶⁾	C5	C5	C5					
	Tier 4	NA ⁽⁶⁾								

Rules for Combinations and Legend

(1) Fast replicated Storage to Fast Storage

Data is replicated to the alternate CDC site allowing for the fastest recovery

Recommended for any production application with time critical availability

(2) Non replicated Fast Storage

Data is NOT replicated; media or equivalent based recovery

Target server has at least the amount of storage as the source

Billing occurs for Tier 2 storage at both datacenters

(3) Storage at the primary location can be used for only non transactional data and approved by Xerox Data is NOT replicated; media or equivalent based recovery

Storage at the alternate location is repurposed on either fast or slow storage

Target storage capacity must be at least as large as source

(4) Storage at the primary location can be used for only non transactional data and approved by Xerox Data is replicated at an alternate site

Storage at the alternate location is repurposed on either fast or slow storage

Target storage capacity must be at least as large as source

- (5) Tier 1 Storage is required for Platinum support and Platinum DR
- (6) Storage Tier not available for the corresponding Service Tier
- (7) Tier 1 Storage is required for Class 1
- (8) Storage Tier available at CDC or LDC

The Service Tier Matrix defines the DR services available with each tier of service and the entry requirements for each tier of service. It is not intended to modify, supersede or amend any other deligations described in other contract documents, including without limitation Service Provider collegions related to Service Levels, Disaster Recovery, Security or storage.

Disaster Recovery

Consolidated Data Centers

Consolidated Data Centers							
	Platinum	Gold	Silver	Bronze		Disaster Recovery Exercises	Disaster Recovery RUs
Disaster Recovery - RTO					Recovery Time Objective - time to restore systems after the disaster has been declared		
Class P: 1h	s		-	-	Application and Infrastructure must support hot standby and semi-automated failover between sites. Requires 2 gold servers.	Full Recovery Exercise	When CMDB DR Class = Class P, then Fiscal Year commitment for the Full Recovery Exercise RU
Class 1: 72hrs		s	S	-	Target server is repurposed during a disaster event. Replicated Tier 1 storage is used to restore target server and data.	Full Recovery Exercise	When CMDB DR Class = Class 1, then Fiscal Year commitment for the Full Recovery Exercise RU
Class 2A: 7d	-	s	s	-	Media based recovery. Target server and target storage are repurposed during a disaster event. Target storage data is replaced with recovery data.	DCS Customer Tabletop Exercise or Full (upon request during annual planning cycle)	When CMDB DR Class = Class 2A, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU unless DCS Customer requests a Full Recovery Exercise (then Full DR RU)
Class 2B: 14d	-	s	s	-	Media based recovery. Target server and target storage are repurposed during a disaster event. Target storage data is replaced with recovery data.	DCS Customer Tabletop Exercise	When CMDB DR Class = Class 2B, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU
Class 3: 21d	-	ø	S	S	Media based recovery. Target server and storage are acquired as needed at the time of disaster.	Enterprise Tabletop Exercise or DCS Customer Tabletop Exercise (upon request during annual planning cycle)	When CMDB DR Class = Class 3, then DR RUs will not be incurred for the Enterprise Tabletop Exercise. If DCS Customer requests a DCS Customer Tabletop Exercise, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU
Class 4: Low Priority	-	s	s	s	Data is saved for future/best effort recovery.	Disaster Recovery Exercises are not offered for Class 4 (no RTO)	When CMDB Class = Class 4, then DR RUs will not be incurred. DCS Customers may revise the DR Class to become eligible for Disaster Recovery Exercises.
Class 5: 7d		ø	s	s	Non-Transactional Data only. Target server is repurposed during a disaster event. Replicated Tier 3 storage is used to restore target server and data.	DCS Customer Tabletop Exercise or Full (upon request during annual planning cycle)	When CMDB DR Class = Class 5, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU unless DCS Customer requests a Full Recovery Exercise (then Full DR RU)
Class 6: 14d	-	ø	s	s	Non- Transactional Data only. Media based recovery. Target server is repurposed during a disaster event. Target storage is non-replicated preallocated slow storage.	DCS Customer Tabletop Exercise	When CMDB DR Class = Class 6, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU
Class 7: 14d	-	s	s	s	Non- Transactional Data only. Media based recovery. Target server is repurposed during a disaster event. Target storage is non-replicated repurposed slow/fast storage.	DCS Customer Tabletop Exercise	When CMDB DR Class = Class 7, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU
Class 8: per contract	-	S	S	-	Existing SunGard contracts only.	Full Recovery Exercise	When CMDB DR Class = Class 8, then Fiscal Year commitment for the Full Recovery Exercise RU

	Potential Combinations of Support Tiers and DR									
Con	solidated Data Centers	1	Service Su	pport Tier						
		Platinum	Gold	Silver	Bronze					
	Class P (1 hour)	Available	N/A	N/A	N/A					
	Class 1 (72 hours)	N/A	Available	Available	N/A					
	Class 2A (7 days)	N/A	Available	Available	N/A					
	Class 2B (14 days)	N/A	Available	Available	N/A					
DR Class	Class 3 (21 days)	N/A	Available	Available	Available					
PF	Class 4 ⁽¹⁾ (Best Effort)	N/A	Available	Available	Available					
	Class 5 ⁽²⁾ (7 days)	N/A	Available	Available	Available					
	Class 6 ⁽²⁾ (14 days)	N/A	Available	Available	Available					
	Class 7 ⁽²⁾ (14 days)	N/A	Available	Available	Available					
	Class 8 ⁽³⁾ (per contract)	N/A	Available	Available	N/A					

Non-Consolidated Data Cente	on-Consolidated Data Centers									
	Platinum	Gold	Silver	Bronze		Disaster Recovery Exercises	Disaster Recovery RUs			
Disaster Recovery - RTO					Recovery Time Objective - time to restore systems after the disaster has been declared					
Class 2B: 14d		s	s	s	Media based recovery. Target server and target storage are repurposed during a disaster event. Target storage data is replaced with recovery data.	DCS Customer Tabletop Exercise	When CMDB DR Class = Class 2B, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU			
Class 3: 21d		ø	S	ø	Media based recovery. Target server and storage are acquired at the time of disaster.	Enterprise Tabletop Exercise or DCS Customer Tabletop Exercise (upon request during annual planning cycle)	When CMDB DR Class = Class 3, then DR RUs will not be incurred for the Enterprise Tabletop Exercise. If DCS Customer requests a DCS Customer Tabletop Exercise, then Fiscal Year commitment for the DCS Customer Tabletop Exercise RU			
Class 4:		s	s	s	Data is saved for future/best effort recovery.	Disaster Recovery Exercises are not offered for Class 4 (no RTO)	When CMDB Class = Class 4, then DR RUs will not be incurred. DCS Customers may revise the DR Class to become eligible for Disaster Recovery Exercises.			
Class 8: per contract	-	s	s	-	Existing SunGard contracts only.	Full Recovery Exercise	When CMDB DR Class = Class 8, then Fiscal Year commitment for the Full Recovery Exercise RU			

Non	on-Consolidated Data Centers Service Support Tier									
		Platinum	Gold	Silver	Bronze					
	Class 2B (14 days)	N/A	Available	Available	N/A					
DR Class	Class 3 (21 days)	N/A	Available	Available	Available					
	Class 4	N/A	Available	Available	Available					
	Class 8 ⁽³⁾ (per contract)	N/A	Available	Available	N/A					

Rules for Combinations and Legend

- Support Tier and DR Level combinations and Legend Support Tier and DR Level combination is available Support Tier and DR Level combination is NOT available (1) Class 4 level items will be recovered in a disaster on a best effort basis regardless of Service Tier.
- (2) May have server performance degradation; Slow disk performance not recommended for transactional data. Agency Assumes the risk that the application will provide acceptable performance on slower disk.
- (3) Existing SunGard contracts only